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Mike Steel  
Director of  
Operations, MTN



**Project Size:** 26,000SF  
**Application:** Vapor Intrusion Mitigation System Under Slab  
**Architect:** WATG  
**Installer:** MTN  
**Environmental Consultant:** Terracon  
**General Contractor:** Hensel Phelps  
**Systems:** Geo-Seal EV20



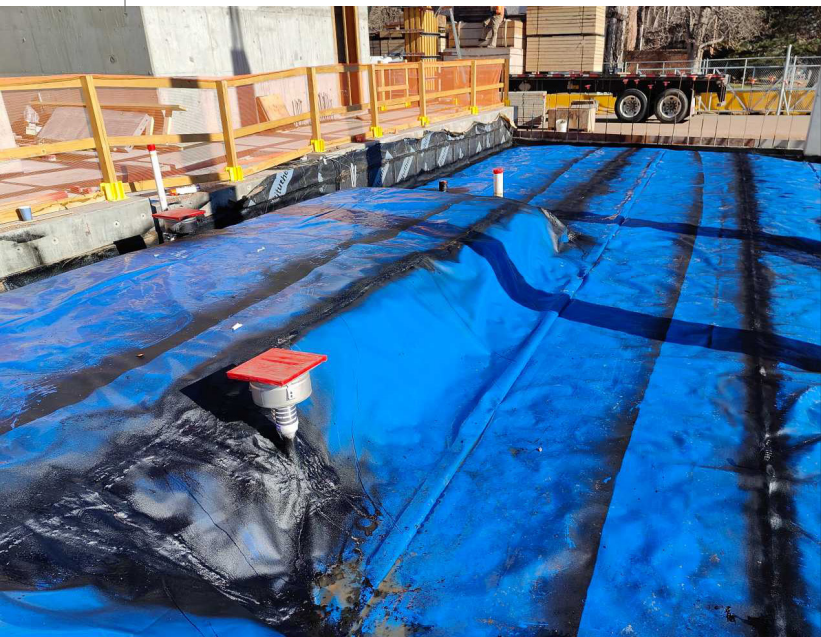
## Geo-Seal EV20 Ideal, Cost-Effective VIMS for New Boulder Hotel Site

The Limelight Hotel and Conference Center in Boulder, CO, is located on the University of Colorado Boulder campus. Projected to be complete in 2025, the Limelight will have approximately 250 modern and comfortable guest rooms and conference facilities including a 15,000 square foot ballroom. The area will be bike and pedestrian-friendly, and the Limelight aims to be a true community hub, capable of hosting huge events, academic conferences, and small, local gatherings.

Per Terracon’s limited site investigation report from July 2019, tetrachloroethylene (PCE) and trichloroethylene (TCE) were detected in groundwater samples collected from beneath the site. These samples indicated that these compounds were at concentrations that represented a potential vapor intrusion risk.

Ultimately, EPRO and MTN determined that Geo-Seal EV-20, per VIMS design specifications, was the ideal, cost-effective solution that could provide safe, long-term mitigation at the site. 26,000 square feet of the system was installed under slab and in approximately 1,200 square feet of occupied spaces of

Installation of Geo-Seal EV20s in progress.



Venting installation on the Limelight site.



the parking garage, including the elevator lobby.

“MTN’s 25-year track-record of successful radon and VOC mitigation system installation made for an efficient installation on this project,” says Mike Steel, Director of Operations, MTN. “No significant challenges were encountered during the project, and this was a common installation scenario with a spread footing foundation. We did have to tie into the existing foundation waterproofing system and the EV20 system is compatible with a variety of materials, which supported an efficient installation.”

Geo-Seal EV-20 EVOH technology is highly resistant to chlorinated solvent vapors. The system consists of a single sheet membrane with spray-applied seams. This makes for faster installation when compared to other membrane system approaches like rigid HDPE membranes or thin mil taped systems. Geo-Seal EV 20 is highly constructible due to the flexibility of the sheet membrane and ease of sealing penetrations.

The MTN team have a great deal of experience and history working with both Geo-Seal products and EPRO. “We appreciate the support we get from EPRO on the front end of a project and during the installation when or if challenges arise,” Steel adds.

“EPRO is very responsive whenever we need them and are proactive in providing the documentation necessary for our waterproofing and vapor intrusion mitigation system projects, such as submittals and warranties.”